Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/13/2019 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123641	-2	2.44	123639	2.44
Blue	F	SSC	125000	122473	-3	4.20	123126	4.24
Blue	E	FITC	16694	16038	-4	4.09	373	21.68
Blue	D	PE	32792	32193	-2	3.46	709	16.64
Blue	B	PerCP-Cy5-5	44451	44255	-1	4.81	1212	23.27
Blue	A	PE-Cy7	33645	33721	0	7.26	612	47.16
Red	C	APC	47008	46287	-2	3.08	1788	13.79
Red	A	APC-Cy7	32298	31531	-3	3.03	795	14.26
Violet	B	V450	8961	8653	-4	4.95	481	14.28
Violet	A	V500	32726	31380	-5	4.67	755	11.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20255	3.52	607	-6	N/A	N/A	Pass
Blue	F	SSC	55490	3.66	577	9	N/A	N/A	Pass
Blue	E	FITC	61	70.60	564	1	0.0158	102	Pass
Blue	D	PE	141	57.14	569	3	0.1232	262	Pass
Blue	B	PerCP-Cy5-5	225	55.23	674	3	0.0071	24	Pass
Blue	A	PE-Cy7	120	119.33	729	3	0.0094	33	Pass
Red	C	APC	408	29.56	614	1	0.0179	127	Pass
Red	A	APC-Cy7	197	31.83	585	0	0.0044	1004	Pass
Violet	B	V450	71	68.43	481	-5	0.0490	2499	Pass
Violet	A	V500	108	36.31	490	-6	0.0197	709	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.78	-32.33	1.10
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.48
Red	17.36	13.60 - 20.40	N/A	N/A	29.37	29.80	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11877

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments